

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
 Data File : BF084033.D
 Acq On : 23 Dec 2015 12:11
 Operator : UM/SJ
 Sample : G4913-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Manual Integrations
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Quant Time: Dec 23 13:39:26 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 22 18:54:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	44009	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	180251	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	82193	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	148867	20.00	ng	0.00
75) Chrysene-d12	13.99	240	109197	20.00	ng	-0.01
86) Perylene-d12	15.43	264	91269	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	301218	116.70	ng	0.01
7) Phenol-d6	6.48	99	355011	116.98	ng	0.00
23) Nitrobenzene-d5	7.39	82	235664	80.32	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	116922	147.89	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	492986	80.72	ng	0.00
78) Terphenyl-d14	12.93	244	354701	77.46	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.58	163	77035	11.98	ng	Qvalue # 90
70) Phenanthrene	11.38	178	62011	7.37	ng	99
74) Fluoranthene	12.57	202	117023	14.03	ng	94
77) Pyrene	12.80	202	115563	15.60	ng	98
80) Benzo(a)anthracene	13.99	228	46420m	7.37	ng	
82) Chrysene	14.02	228	50541	8.65	ng	98
85) Indeno(1,2,3-cd)pyrene	16.84	276	47006	9.72	ng	91
87) Benzo(b)fluoranthene	15.01	252	59265m	10.30	ng	
88) Benzo(k)fluoranthene	15.03	252	28068m	5.13	ng	
89) Benzo(a)pyrene	15.37	252	44063	8.27	ng	# 93
91) Benzo(g,h,i)perylene	17.27	276	58965	13.20	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

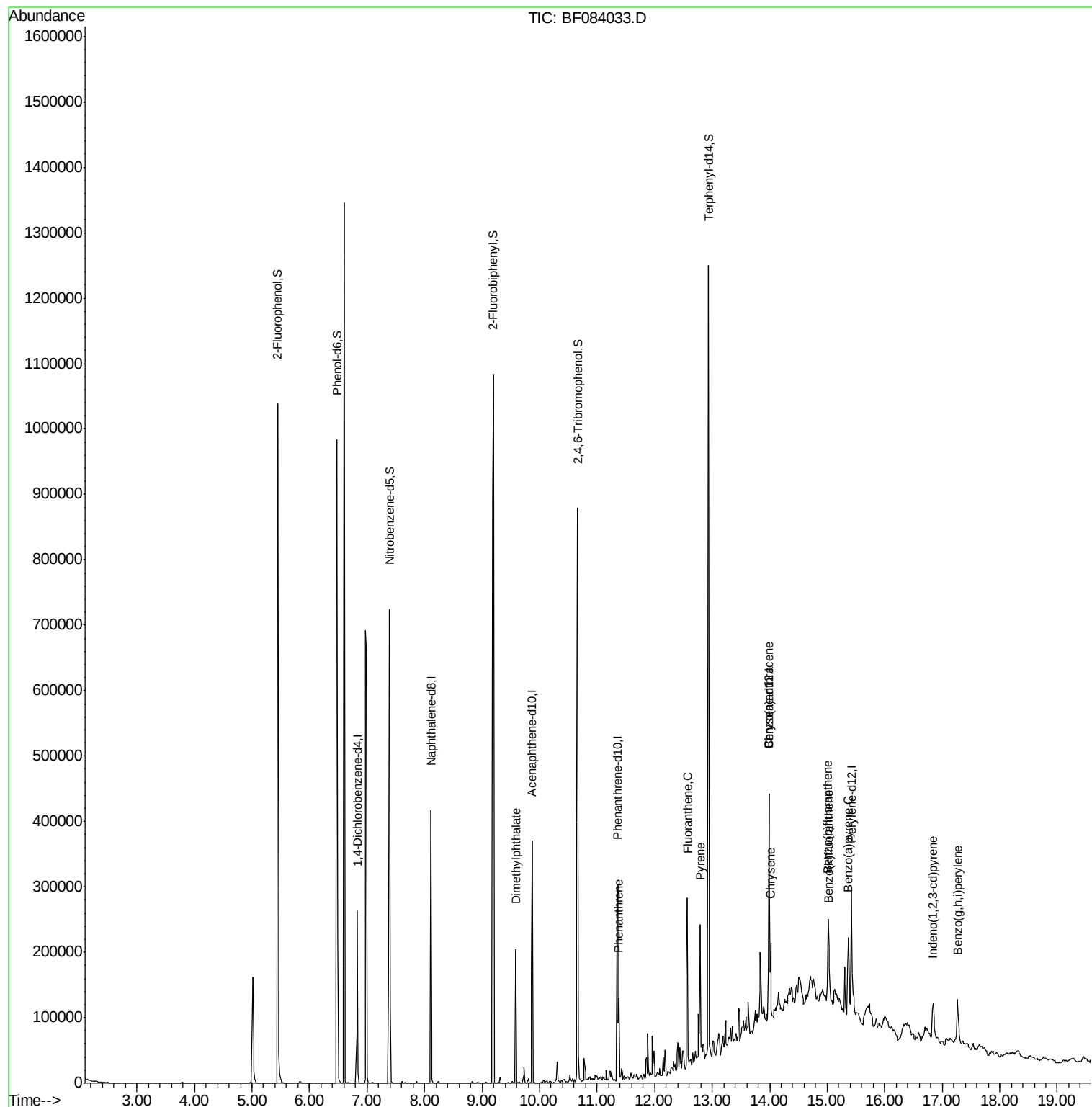
Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084033.D
Acq On : 23 Dec 2015 12:11
Operator : UM/SJ
Sample : G4913-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

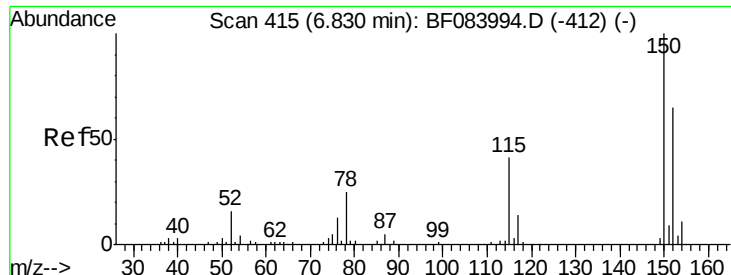
Instrument :
BNA_F
ClientSampled :
SB-4

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Quant Time: Dec 23 13:39:26 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration





#1

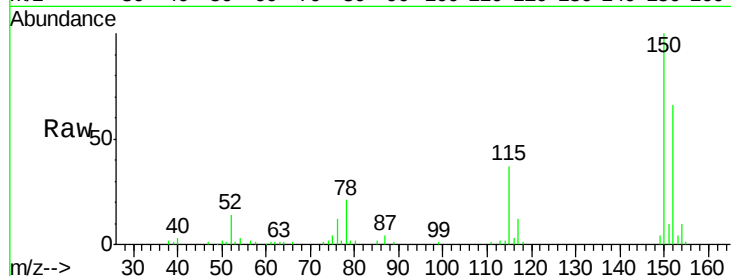
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Instrument :
BNA_F
ClientSampled :
SB-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	123.0	184.4
115	57.0	51.4	77.2

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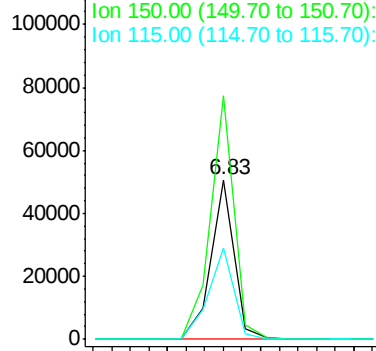


Abundance

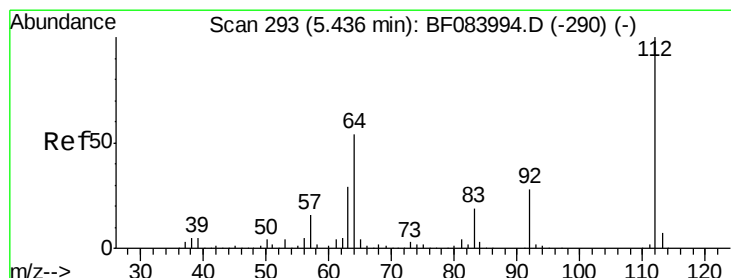
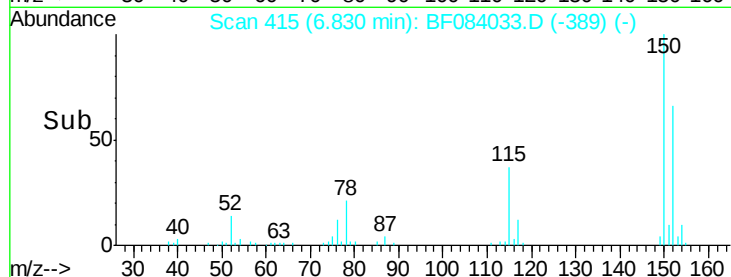
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



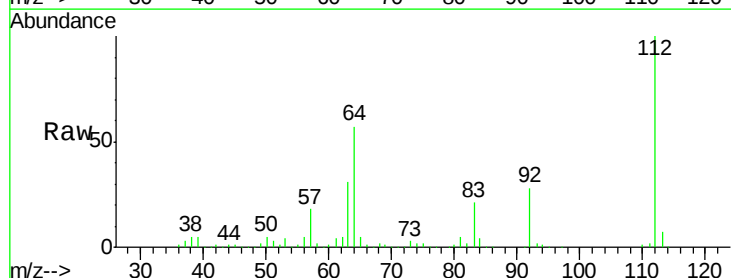
Time-->



#5

2-Fluorophenol
Concen: 116.70 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	36.6	55.0#
63	31.0	19.4	29.0#

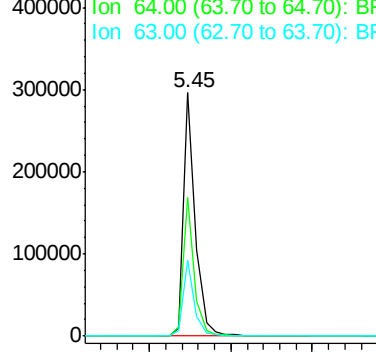


Abundance

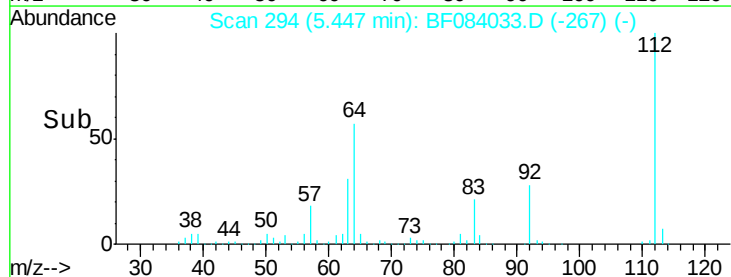
Ion 112.00 (111.70 to 112.70): E

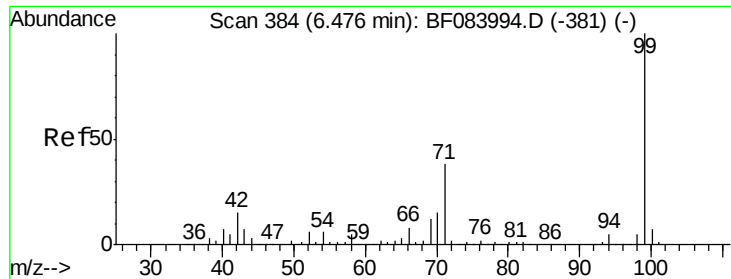
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



Time-->





#7

Phenol-d6

Concen: 116.98 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.00 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_F

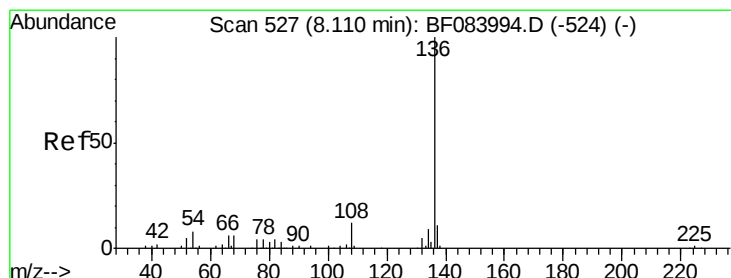
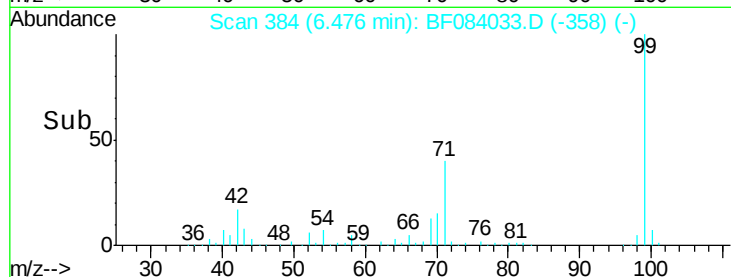
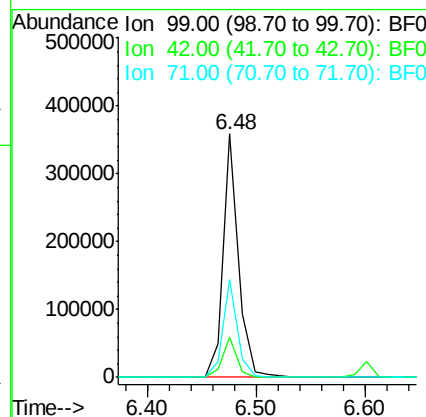
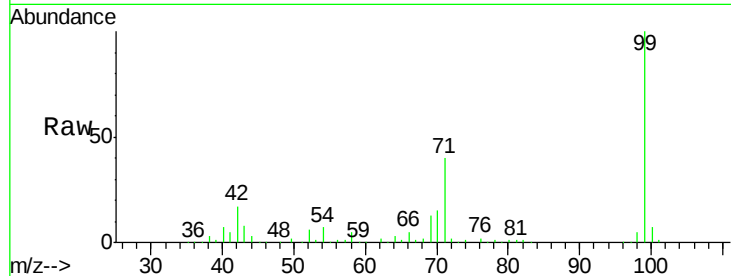
ClientSampleId :

SB-4

Tot Ion:	99	Resp:	355011
Ion Ratio	Lower	Upper	
99	100		
42	16.6	12.8	19.2
71	40.4	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.00 ng

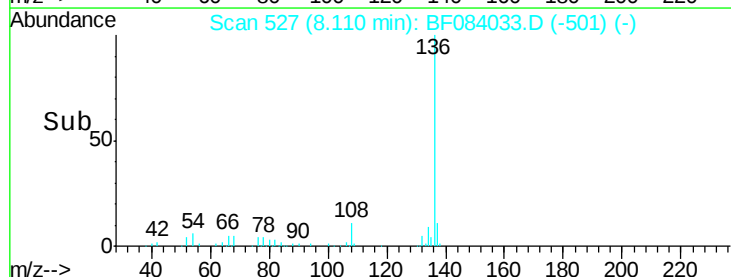
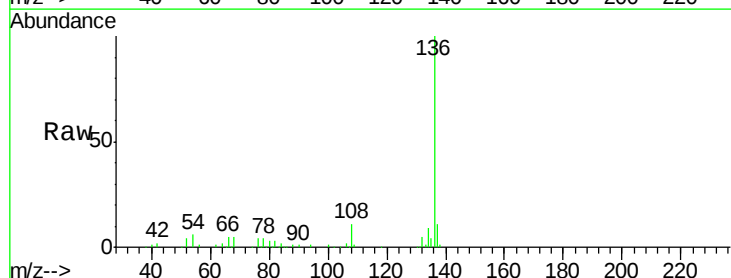
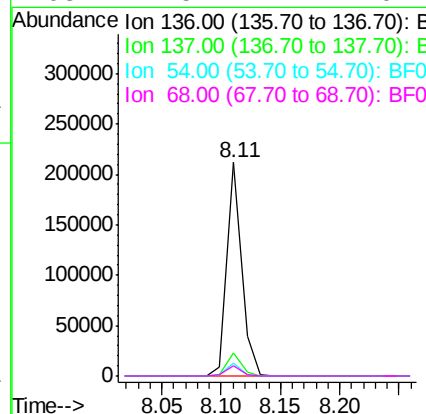
RT: 8.11 min Scan# 527

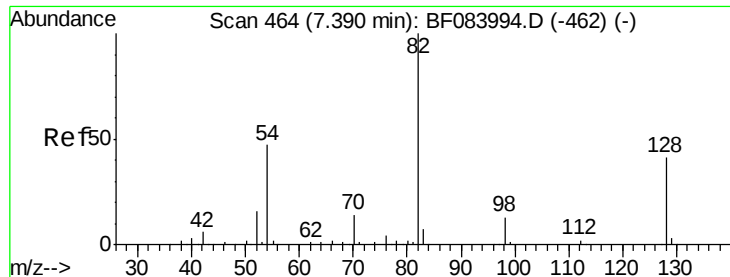
Delta R.T. -0.00 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Tgt Ion:	136	Resp:	180251
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.7	13.1
54	6.1	5.8	8.8
68	4.5	4.2	6.2





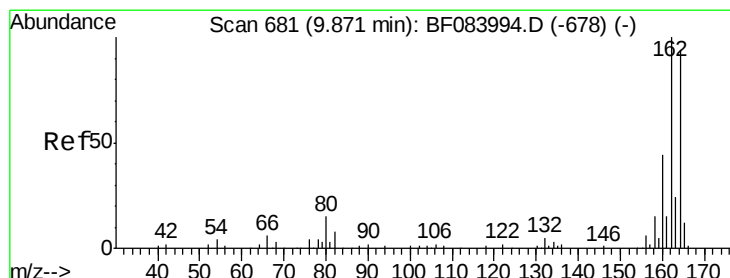
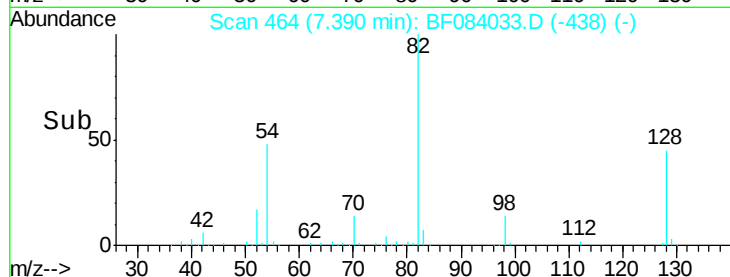
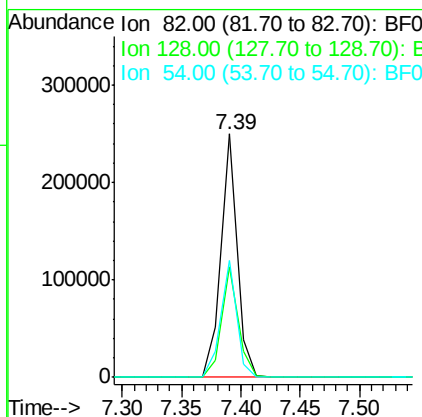
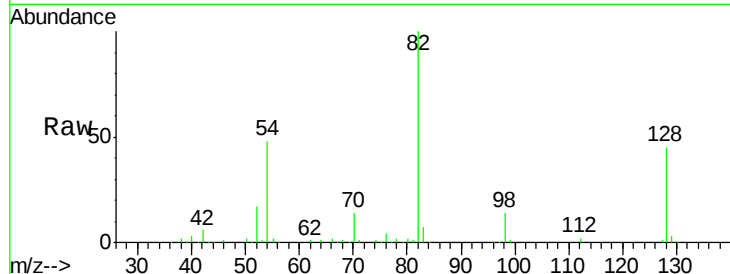
#23
Nitrobenzene-d5
Concen: 80.32 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Instrument :
BNA_F
ClientSampleId :
SB-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100	235664		
128	45.2	34.6	51.8	
54	47.9	38.4	57.6	

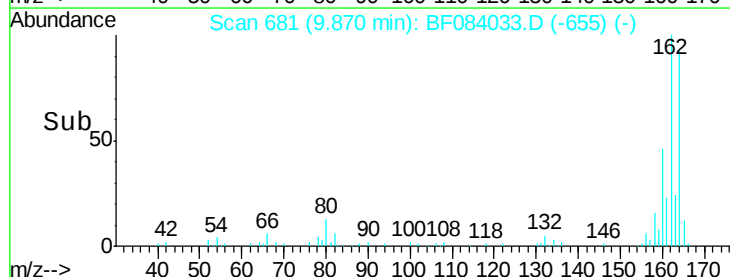
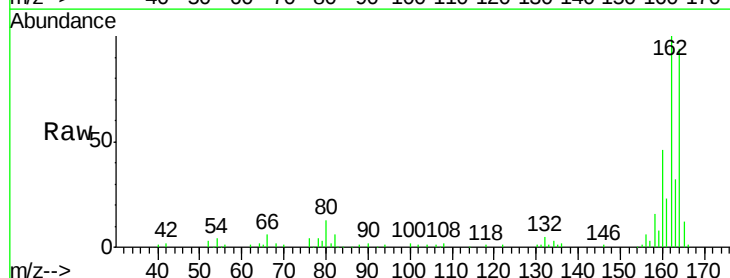
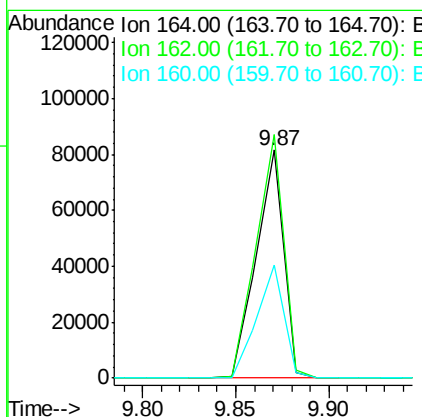
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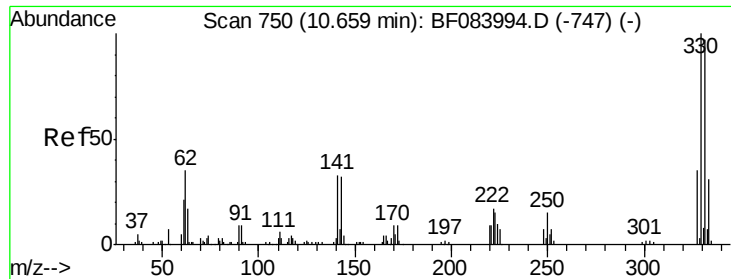
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	82193		
162	106.8	85.1	127.7	
160	49.7	37.5	56.3	





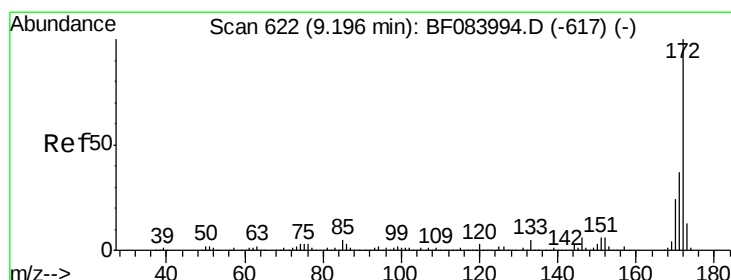
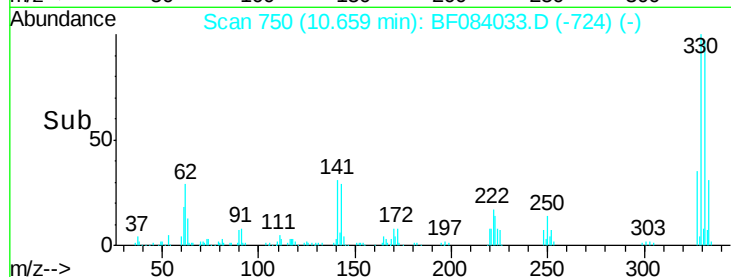
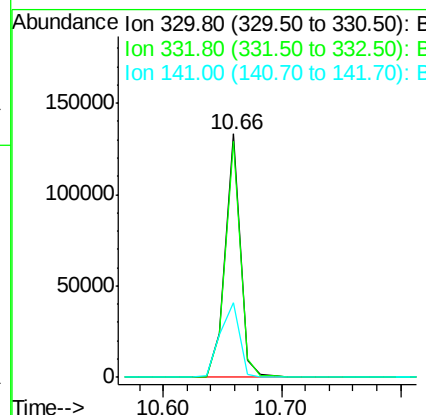
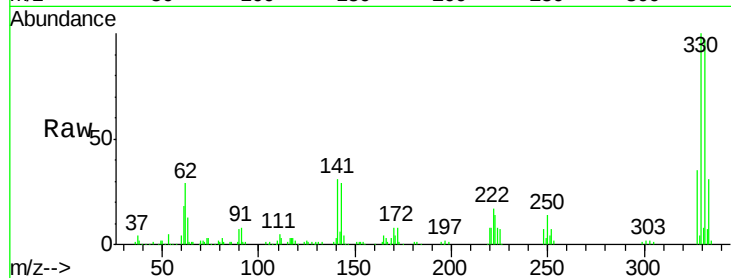
#41
 2,4,6-Tribromophenol
 Concen: 147.89 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Instrument :
 BNA_F
 ClientSampled :
 SB-4

Tot Ion	Ratio	Resp	Lower	Upper
330	100	116922		
332	97.0	76.6	114.8	
141	39.2	27.8	41.6	

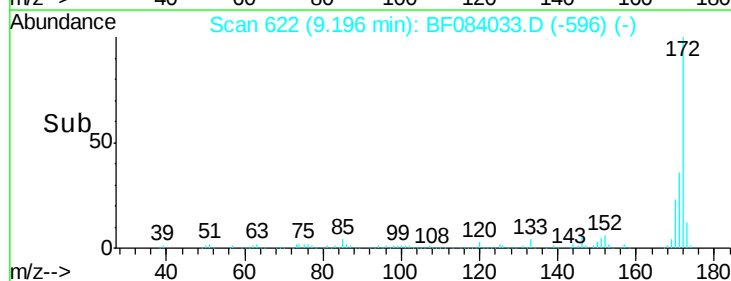
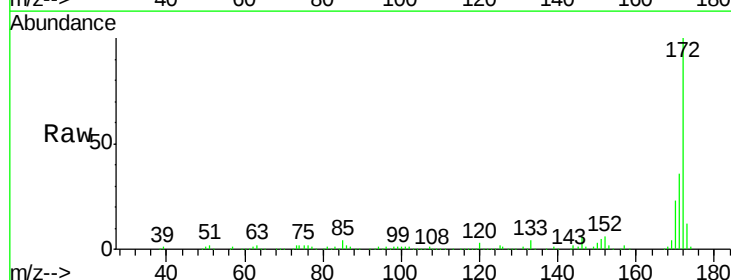
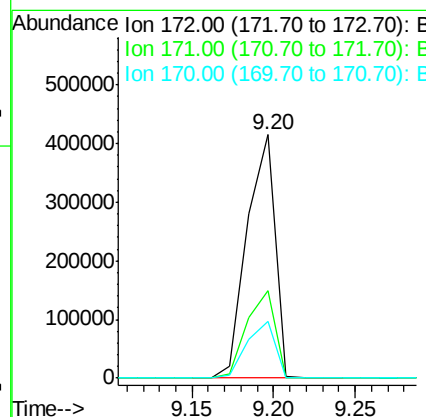
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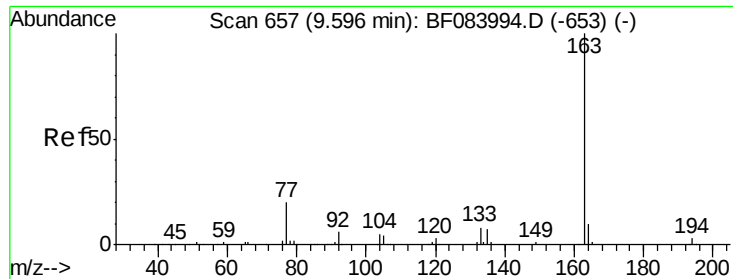
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#44
 2-Fluorobiphenyl
 Concen: 80.72 ng
 RT: 9.20 min Scan# 622
 Delta R.T. 0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	492986		
171	36.2	28.9	43.3	
170	23.4	18.6	27.8	





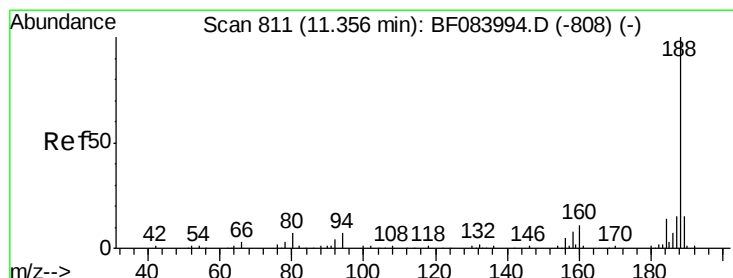
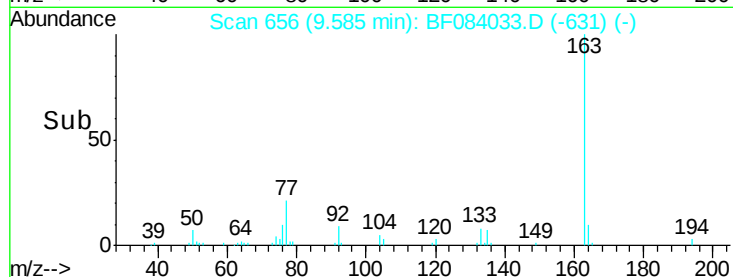
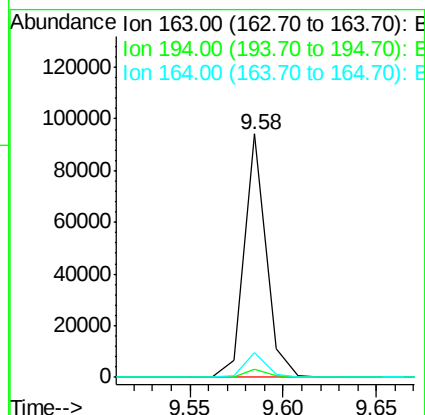
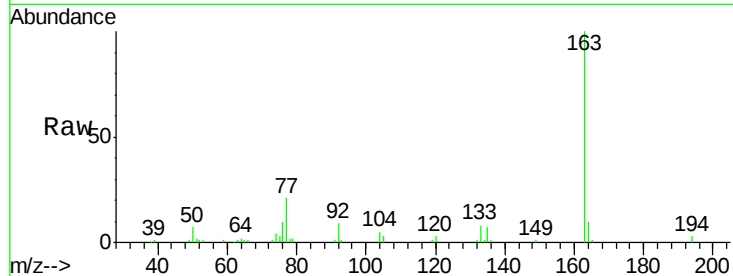
#49
Dimethylphthalate
Concen: 11.98 ng
RT: 9.58 min Scan# 656
Delta R.T. -0.01 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Instrument :
BNA_F
ClientSampleId :
SB-4

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	8.0	12.0#
164	10.4	8.0	12.0

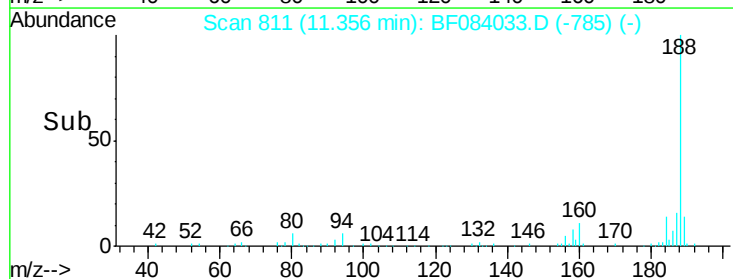
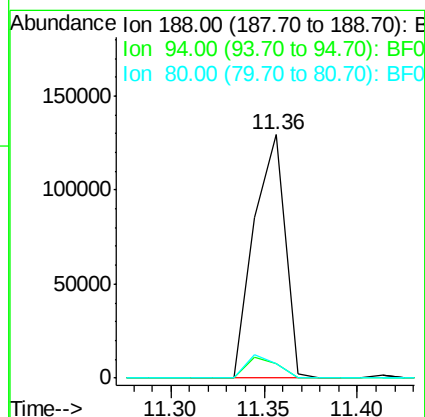
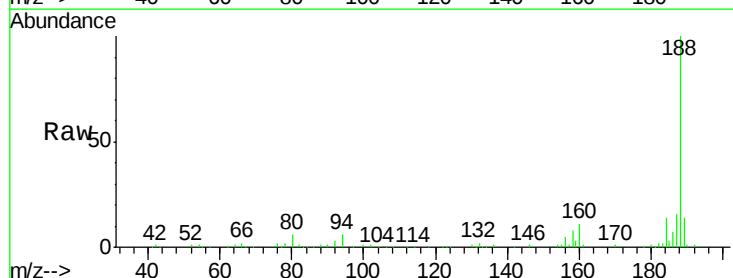
Manual Integrations
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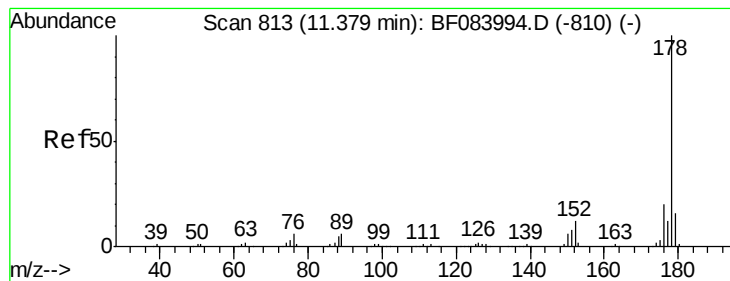
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.0	9.0	13.4#
80	5.8	9.6	14.4#





#70

Phenanthrene

Concen: 7.37 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_F

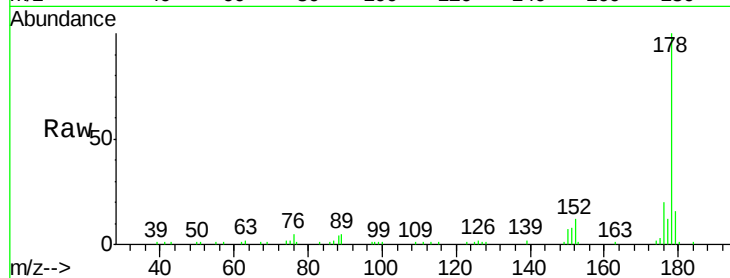
ClientSampleId :

SB-4

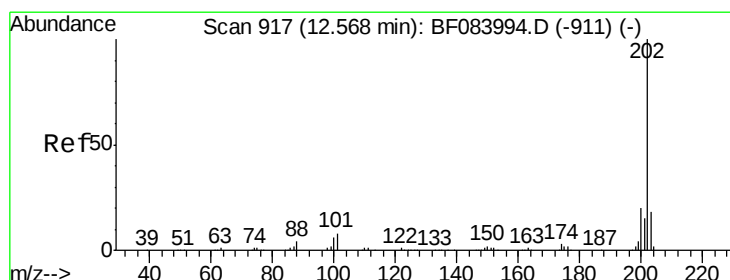
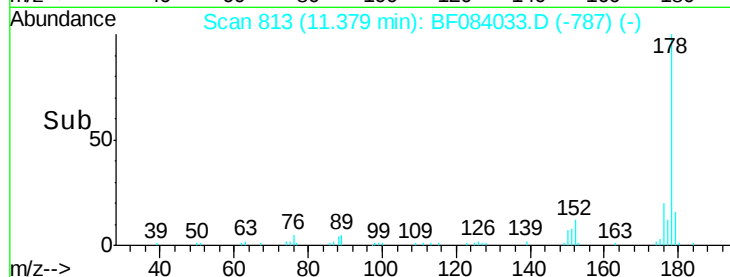
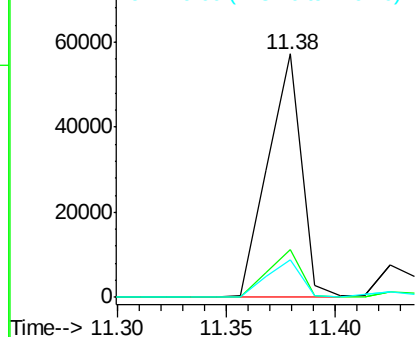
Tot Ion:	178	Resp:	62011
Ion Ratio	Lower	Upper	
178	100		
176	19.6	15.3	22.9
179	15.5	12.0	18.0

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 14.03 ng

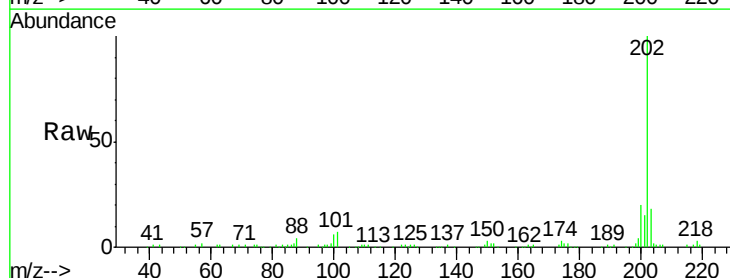
RT: 12.57 min Scan# 917

Delta R.T. -0.00 min

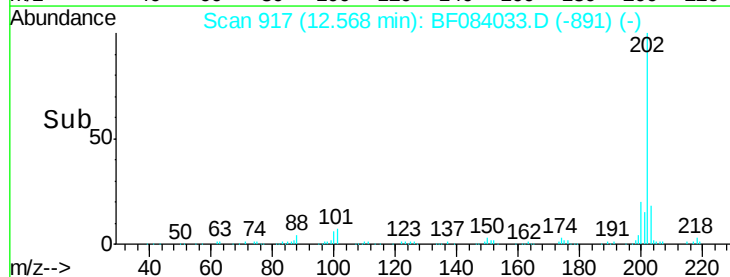
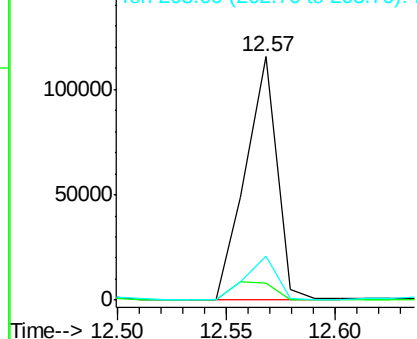
Lab File: BF084033.D

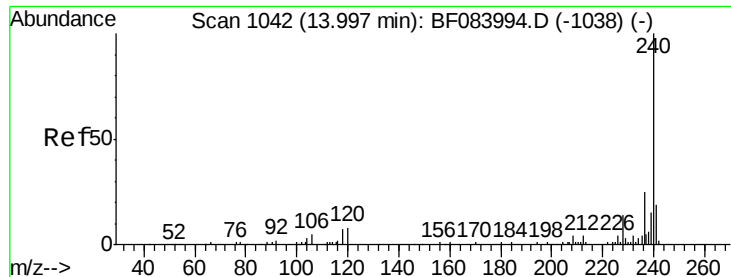
Acq: 23 Dec 2015 12:11

Tgt Ion:	202	Resp:	117023
Ion Ratio	Lower	Upper	
202	100		
101	6.9	0.0	32.8
203	18.0	0.0	37.9



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_F

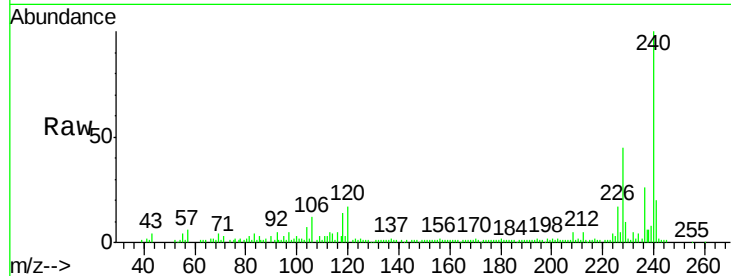
ClientSampleId :

SB-4

Tot Ion	Ratio	Resp	Lower	Upper
240	100	109197		
120	16.6	9.5	14.3#	
236	25.9	20.6	31.0	

Manual Integrations
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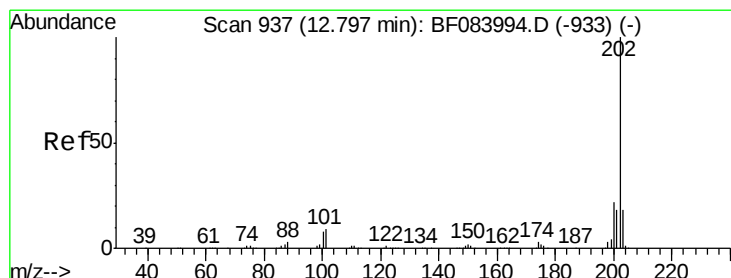
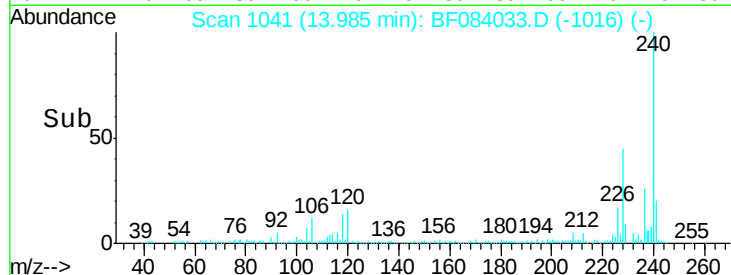
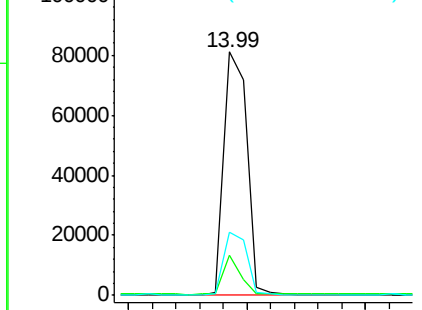
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 15.60 ng

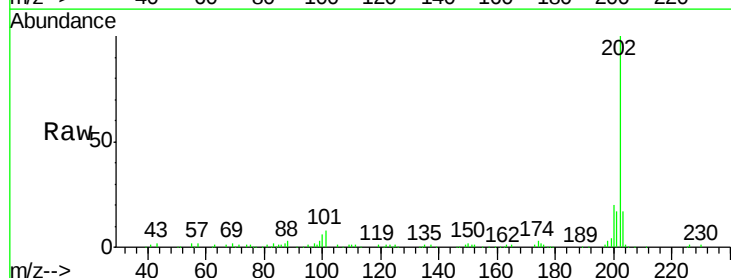
RT: 12.80 min Scan# 937

Delta R.T. 0.00 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

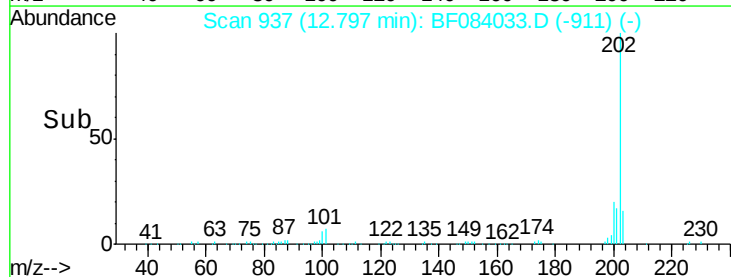
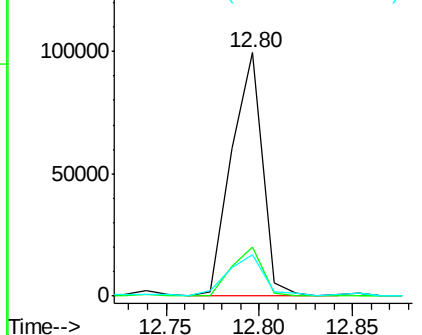
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	115563		
200	20.1	17.2	25.8	
203	17.2	14.3	21.5	

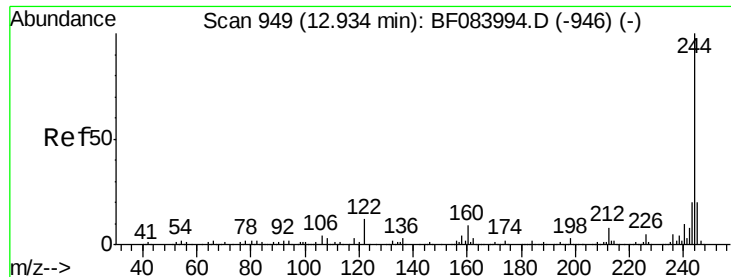


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





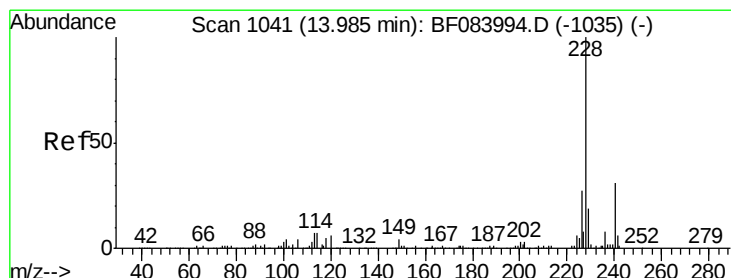
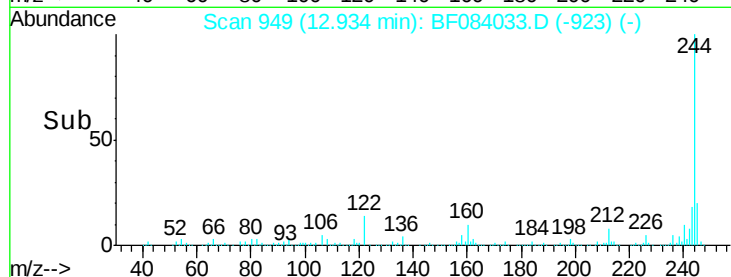
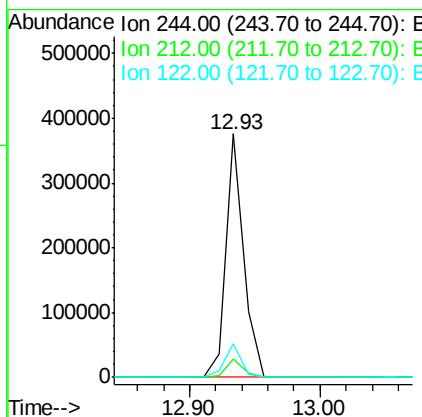
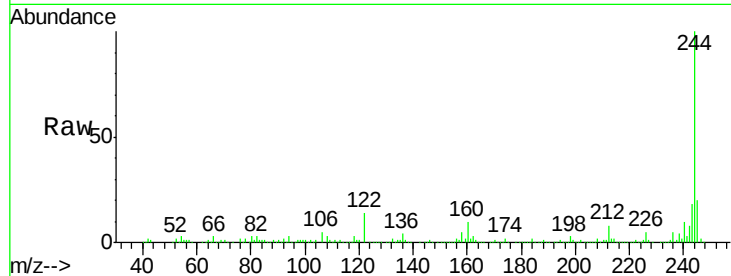
#78
 Terphenyl-d14
 Concen: 77.46 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Instrument :
 BNA_F
 ClientSampled :
 SB-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.6	5.7	8.5
122	14.1	7.4	11.0

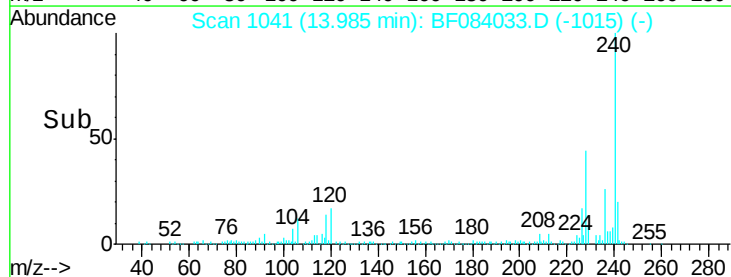
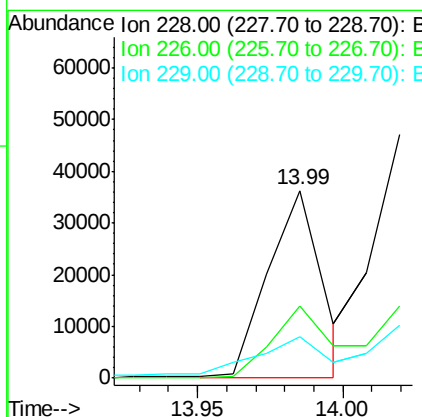
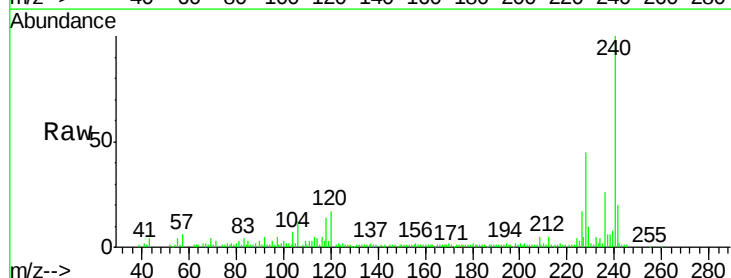
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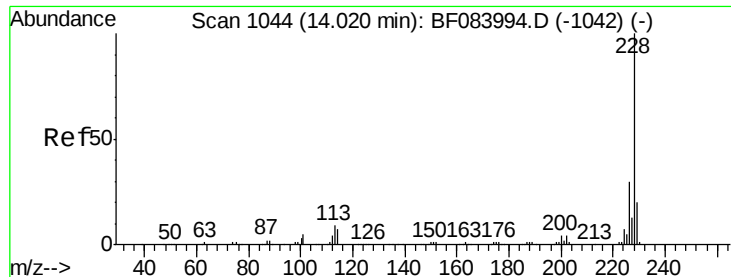
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#80
 Benzo(a)anthracene
 Concen: 7.37 ng m
 RT: 13.99 min Scan# 1041
 Delta R.T. -0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.7	21.8	32.6
229	22.2	15.8	23.8





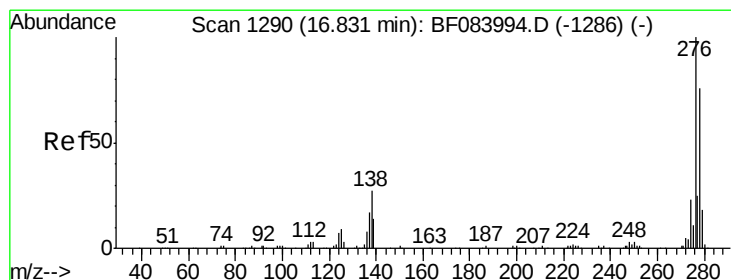
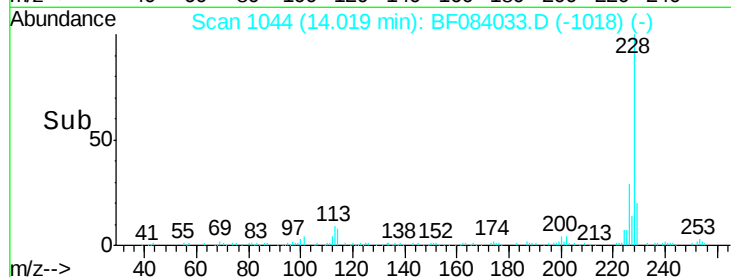
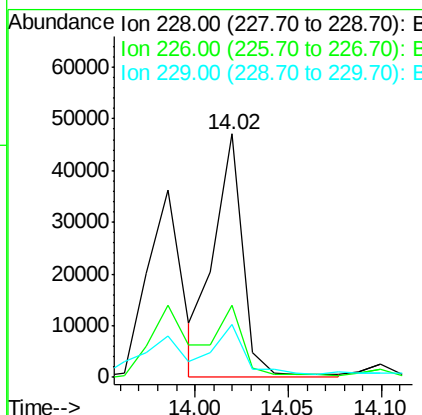
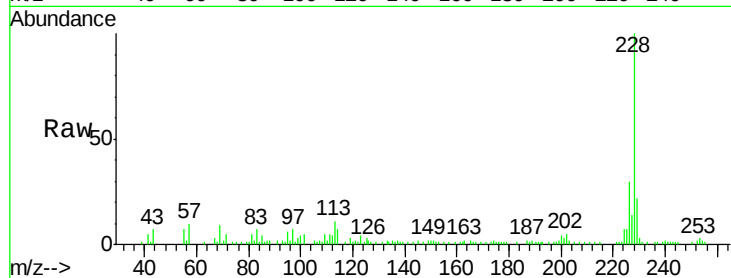
#82
Chrysene
Concen: 8.65 ng
RT: 14.02 min Scan# 1044
Delta R.T. -0.00 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Instrument :
BNA_F
ClientSampleId :
SB-4

Tot Ion:	228	Resp:	50541
Ion Ratio	Lower	Upper	
228	100		
226	29.5	24.3	36.5
229	21.6	16.1	24.1

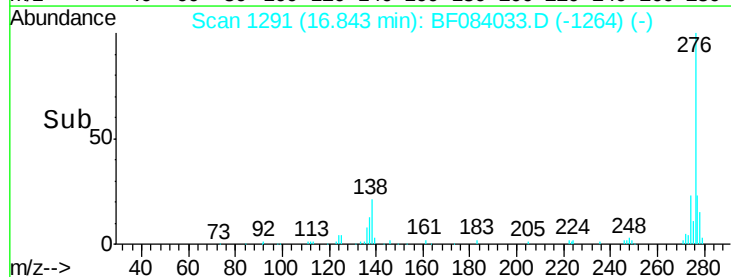
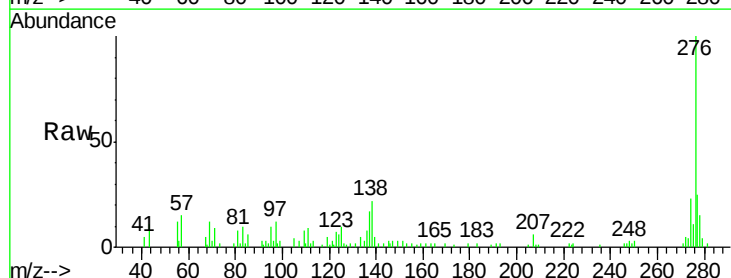
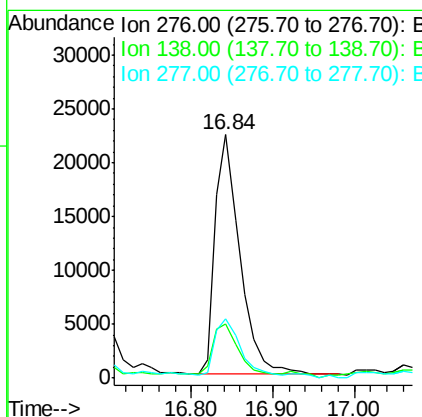
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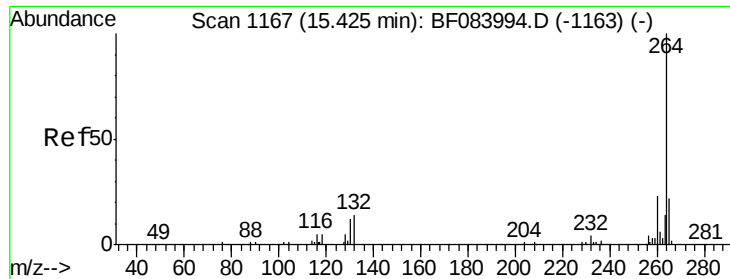
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#85
Indeno(1,2,3-cd)pyrene
Concen: 9.72 ng
RT: 16.84 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BF084033.D
Acq: 23 Dec 2015 12:11

Tgt Ion:	276	Resp:	47006
Ion Ratio	Lower	Upper	
276	100		
138	21.3	20.6	30.8
277	29.4	20.1	30.1





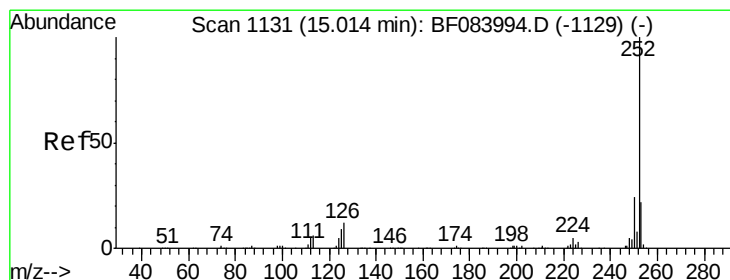
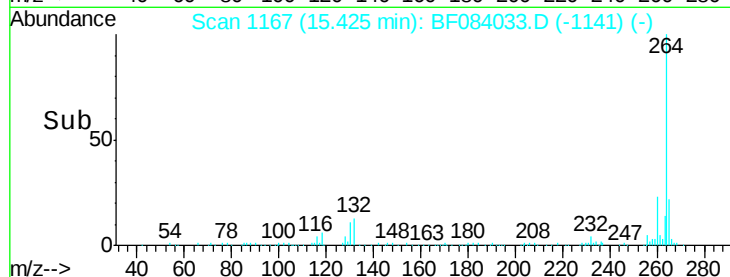
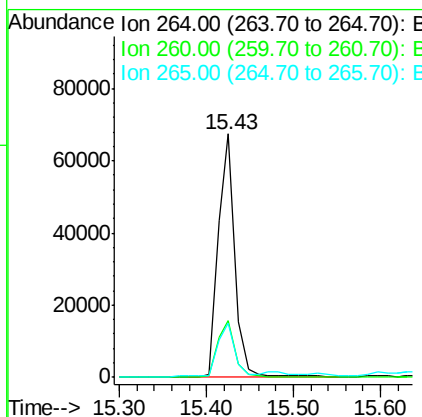
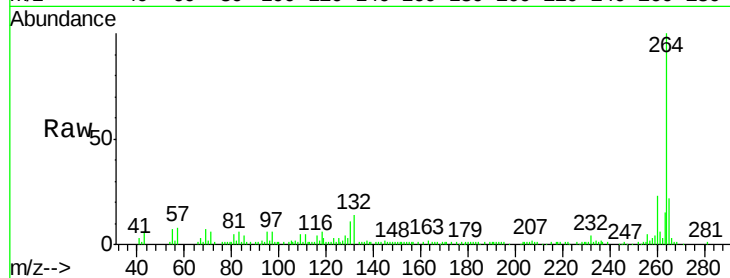
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.43 min Scan# 1167
 Delta R.T. -0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.4	29.2
265	22.5	17.8	26.6

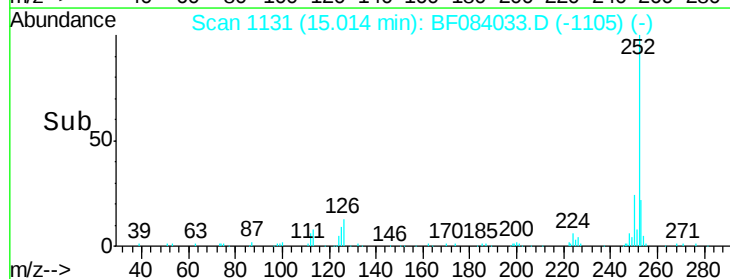
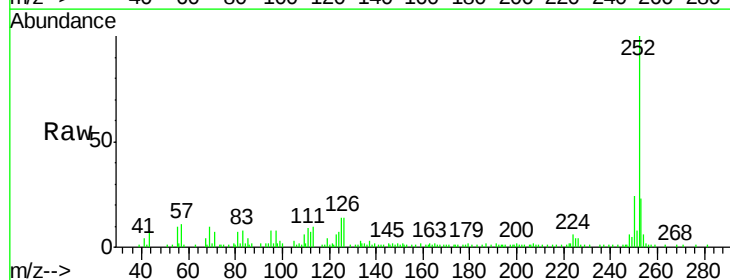
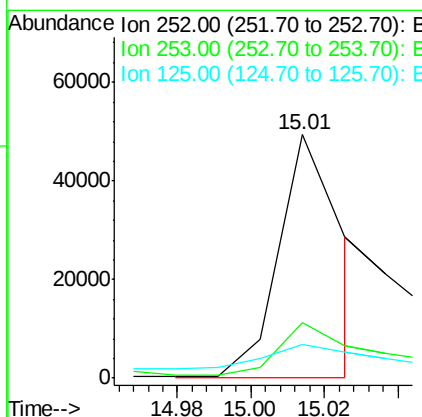
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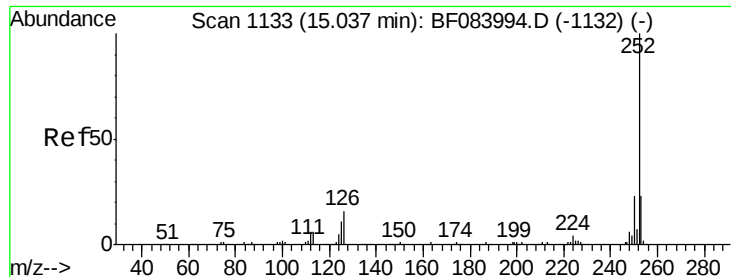
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#87
 Benzo(b)fluoranthene
 Concen: 10.30 ng m
 RT: 15.01 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	13.8	6.5	9.7#





#88

Benzo(k)fluoranthene

Concen: 5.13 ng m

RT: 15.03 min Scan# 1132

Delta R.T. -0.01 min

Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Instrument :

BNA_F

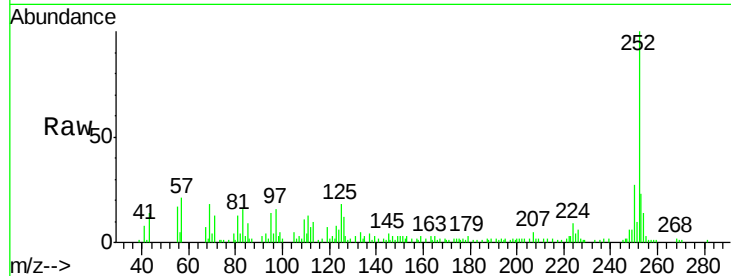
ClientSampleId :

SB-4

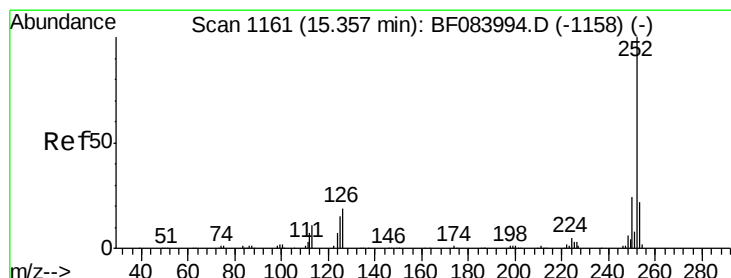
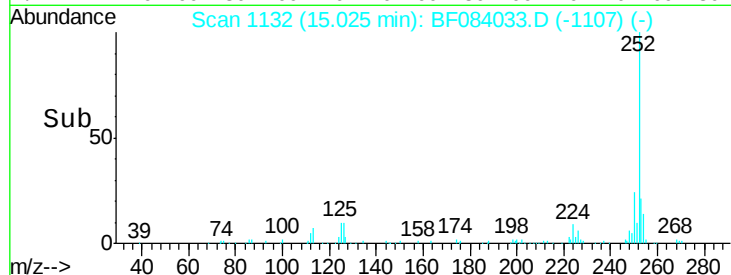
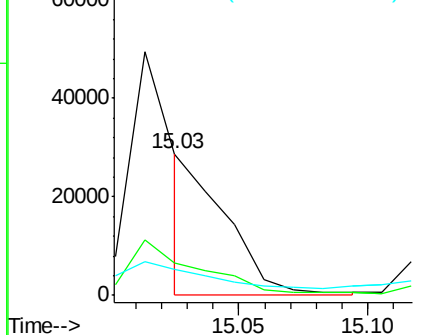
Tot Ion:	252	Resp:	28068
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.1	27.1
125	18.2	9.0	13.6#

Manual Integrations
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 8.27 ng

RT: 15.37 min Scan# 1162

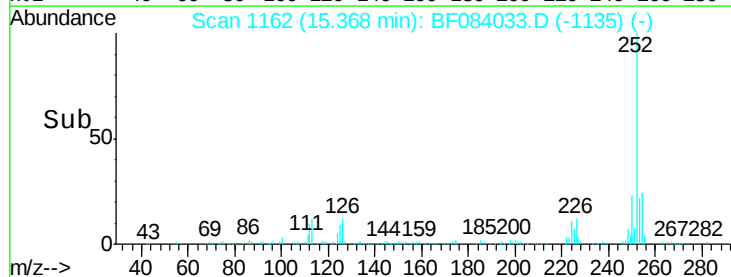
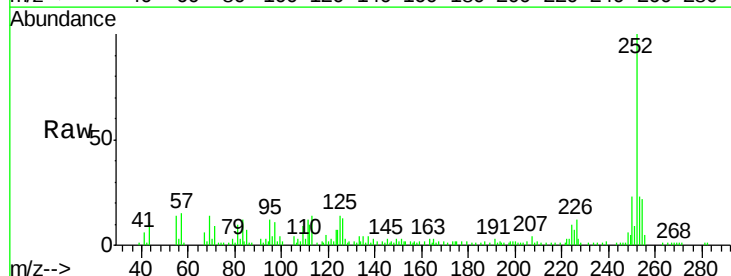
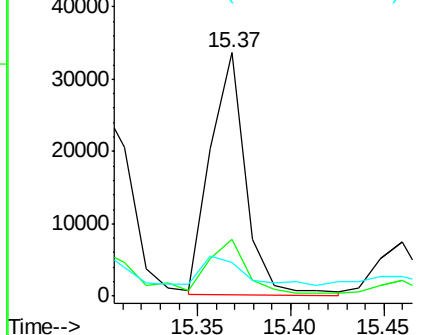
Delta R.T. 0.01 min

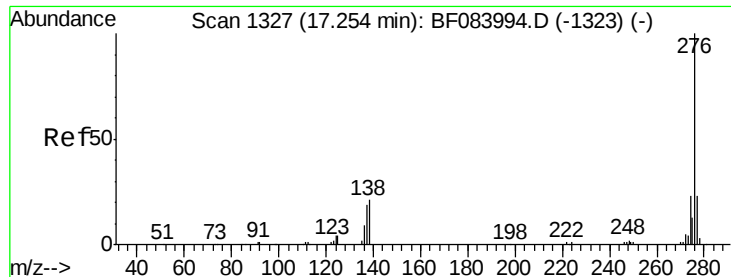
Lab File: BF084033.D

Acq: 23 Dec 2015 12:11

Tgt Ion:	252	Resp:	44063
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.3	25.9
125	13.8	7.0	10.4#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





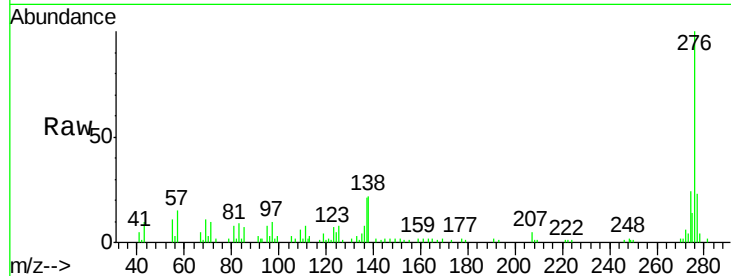
#91
 Benzo(a,h,i)perylene
 Concen: 13.20 ng
 RT: 17.27 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: BF084033.D
 Acq: 23 Dec 2015 12:11

Instrument :
 BNA_F
 ClientSampleId :
 SB-4

Tot Ion:	276	Resp:	58965
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.8	28.2
138	21.6	17.8	26.6

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

